IAP15 Rec'd PCT/PTO 2 7 SEP 2006

ATTORNEY'S DOCKET NUMBER ORM PTO-1390 (Modified) REV. 7-2005) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE NE353-PCT(US) TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) **459430** CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED March 29, 2005 March 31, 2004 PCT/JP2005/005924 TITLE OF INVENTION TUNABLE LASER APPLICANT(S) FOR DO/EO/US Hiroyuki YAMAZAKI **ASSIGNEE NAME: NEC CORPORATION** ASSIGNEE RESIDENCE: Tokyo, JAPAN Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: \boxtimes This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 1. 2 This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), ☒ . 3. (9) and (24) indicated below. The US has been elected (Article 31). 4. \boxtimes A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. \boxtimes is attached hereto (required only if not communicated by the International Bureau). a. 🖾 has been communicated by the International Bureau. \boxtimes is not required, as the application was filed in the United States Receiving Office (RO/US). c. 🗆 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). \boxtimes a. 🔯 has been previously submitted under 35 U.S.C. 154(d)(4). b. \Box Ø Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) 7. are attached hereto (required only if not communicated by the International Bureau). a. 🔲 b. 🗆 have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. c. 🗆 d. 🗵 have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. \boxtimes All English language translation of the annexes to the International Preliminary Examination Report under PCT 10 Article 36 (35 U.S.C. 371 (c)(5)). A gopy of the International Preliminary Examination Report (PCT/IPEA/409). 11. 12 A copy of the International Search Report (PCT/ISA/210). Items 13 to 23 below concern document(s) or information included: 13. \boxtimes An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 14. 15. \Box A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 16. 17. A substitute specification. \boxtimes 18. A power of attorney and/or change of address letter. 19. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 21. 22. Express Mail Label No.

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PTO-1390 (Rev. 07-2005)

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NOT THE ASSIGNED A 307

INTERNATIONAL APPLICATION NO. PCT/JP2005/005924

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23. Other items or information:

> Form PCT/IB/308 Form PCT/IB/311 Form PCT/IB/304

International Publication (WO 2005/096462 A1) 11 Pages of Formal Drawings (Figures 1-11)

The following	g fees have been s	submitted	i:				CAL	CULATIONS	PTO USE
24. 🛛 Basic national fee						\$300	\$	\$300.00	
25. ⊠ Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article \$0 All other situations. \$200							\$	\$200.00	
26. ☑ Search fee (37 CFR 1.492(b)) If the written opinionof the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority. \$100 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 All other situations. \$500							\$	\$500.00	
TOTAL OF 24, 25 and 26 =							\$	\$1,000.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets	Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole				Ε				
44 - 100 =	0 /50 =		0		× \$250	0.00	\$	\$0.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).							\$		
CLAIMS	NUMBER F	ILED NUMBER EXTRA		RATE					
Total claims	17	- 20 =	0	×	\$50	0.00	\$	\$0.00	
Independent clain	ns 1	- 3=	0	х	\$200	0.00	\$	\$0.00	
MULTIPLE DEPENDENT CLAIMS (if applicable)						0.00	\$	\$0.00	
TOTAL OF ABOVE CALCULATIONS =							\$	\$1,000.00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.							\$	\$0.00	
SUBTOTAL =							\$	\$1,000.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).							\$	\$0.00	
TOTAL NATIONAL FEE =							\$	\$1,000.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +							\$	\$40.00	
TOTAL FEES ENCLOSED =							\$	\$1,040.00	
							Amo	unt to be	\$
							Amo	unt to be	\$

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A check in the amount of \$ to cover the above fees is enclosed. \$1,040.00 in the amount of \$ to cover the above fees. Please charge my Deposit Account No. b. A duplicate copy of this sheet is enclosed. c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment . A duplicate copy of this sheet is enclosed. to Deposit Account No. 50-0481 Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Sean M. McGinn, Esq. McGinn Intellectual Property Law Grou, PLLC Sean M. McGinn, Esq. 8321 Old Courthouse Road, Suite 200 NAME Vienna, Virginia, USA 22182-3817 Customer No.: 21254 34,386 **REGISTRATION NUMBER** September 27, 2006 DATE